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SECURITY INFORMATION

25X1A

REPORT NO.

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COUNTRY Germany (Russian Zone)

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SUBJECT 25X1A : WMW Drahtwebstuhlba u, Neustadt/Orla: Delivery of New-Type Looms for Fine Nickel Wire Screen to Tewa-Neustadt; Development of New Loom

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1. In December 1951, the WMW Drahtwebstuhlbau, Neustadt/Orla, formerly Emil Jaeger, delivered an unspecified number of DFL (Doppelt-Fein-Leicht) looms to Tewa Metallweberei Neustadt/Orla (Tewa-Neustadt).^{*} About mid-January 1952, two of these looms were in operation. Tewa-Neustadt will put the other new looms into operation gradually.
2. The new Jaeger looms are heavier than the old-type (Eilhauer) looms.^{**} They are believed to last longer and to perform more accurate weaving than the old looms. They also differ from the old looms in that a change has been made in the governors for the guiding of the meshes (Regulatoren fuer die Steuerung der Maschen). The governors used formerly were spring governors with threads on the countershaft of the warp roller (Federregulatoren mit Gewinde an der Vorlegswelle der Zettelwalze). This type of governor was introduced by Eilhauer. The new looms have brake governors (Bremsregulatoren), model DFM.
3. Jaeger now has under construction (January 1952) a series of twenty-five looms of the same type as those delivered to Tewa. Construction of these looms has just begun. They are being manufactured on Russian orders for delivery to Russia. [REDACTED], paragraph 5).
4. In addition to the new-type looms mentioned above, by the end of 1951, Jaeger completed the construction of a new loom model which is to be tested at Tewa-Neustadt. The following points are considered its main improvements over the old models:
 - a. whereas the old models used harnesses (Geschirre) suspended on rolls and guided from below by a draw gear (Zugvorrichtung), the new model has its harnesses fixed in guide rails (Fuehrungsschienen) on both sides of the loom; the harnesses are steered from below by push and pull rods (Stosstangen).

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b. some of the appliances and accessories belonging to the old-model looms were "outside the loom frame", i.e. outside the vertical projection of the loom on the ground. For instance, the electromotor, the driving pulley for the crankshaft (Antriebscheibe fuer die Kurbelwelle), the driver pinion (Antriebsritzel) and other devices were fixed outside. This not only had the disadvantage of occupying too much space but also necessitated special measures for the protection of the weavers against being caught in these appliances. The new model has all appliances, including the electromotor, "inside the loom frame" and is adapted for the production of fine wire screen up to no. 400.

5. As of 31 December 1951, the Jaeger firm had on hand the following reeds which had been returned from Russia and were considered unusable. The numbers refer to the English-inch system:

Quantity of reeds	Reed No.	Interval (Sprung), mm.	Reed height, mm.	Weaving width, mm.	Reed length***
5	150	30	60	1020	1050
5	150	30	60	1320	1350
2	160	30	60	1020	1050
3	160	30	60	1320	1350
2	170	30	60	1020	1050
4	170	30	60	1320	1350
2	180	24	54	1020	1050
2	180	24	54	1320	1350
2	190	24	54	1020	1050
2	190	24	54	1320	1350
2	230	24	54	1020	1050
4	250	24	54	1020	1050

6. When inventory was taken at the end of 1951, the following quantities of Swedish reed band steel were on hand at the Jaeger plant:

- about 30 kg. of Ia-quality steel, very suitable for no. 231 reeds;
- about 16 kg. of IIa-quality steel, also suitable for the same purpose;
- 7 to 8 kg. of lower quality steel which, however, can also be used for the making of no. 231 reeds.

The 46 kg. of Swedish steel mentioned under a and b above, were delivered to the Tewa reed plant in January 1952, () paragraph 6).

* () Comment: It has been reported by other sources that the number of these looms is 11.

** () Comment: Probably produced at the former Oskar Eilhauer firm in Neustadt which is the present Tewa-Neustadt.

*** () Comment: Presumably millimeters, since all other dimensions are given in millimeters.

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